

Abstract of the Disclosure

A mobile phone has at least one main clock system and operating based on a main clock signal of the main clock system. The main clock system includes

5 a main counter for counting main clocks of the main clock signal; and a power saving section for stopping generation of the main clock signal for a time period, while counting wait clocks of a wait clock signal, for restarting the generation of the main clock signal

10 after the time period, and for controlling the main counter the main counter based on the counted wait clocks as if the main counter always counts the main clocks of the main clock signal.